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**Post-translational modification of therapeutic peptides by NisB, the dehydratase of the lantibiotic nisin**

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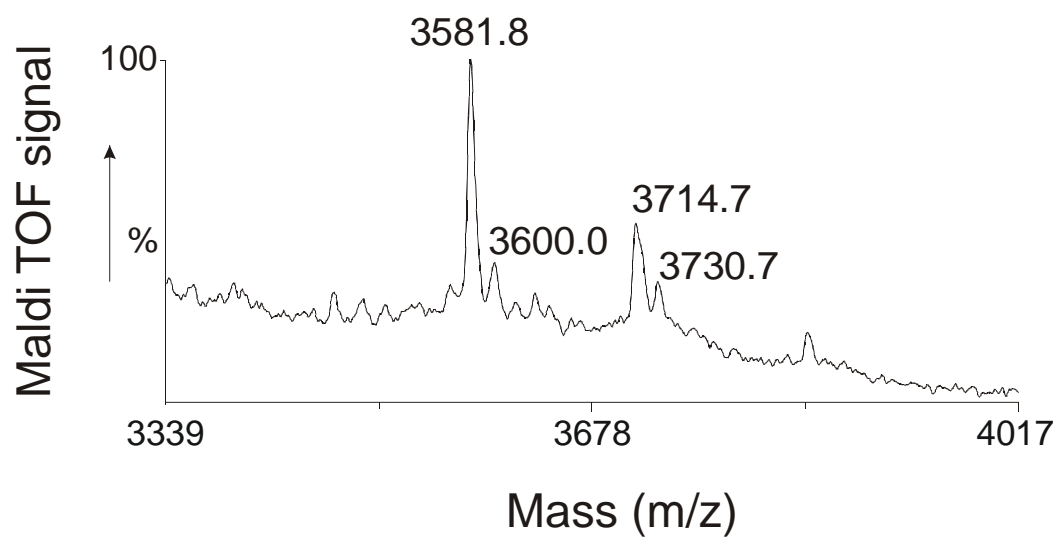
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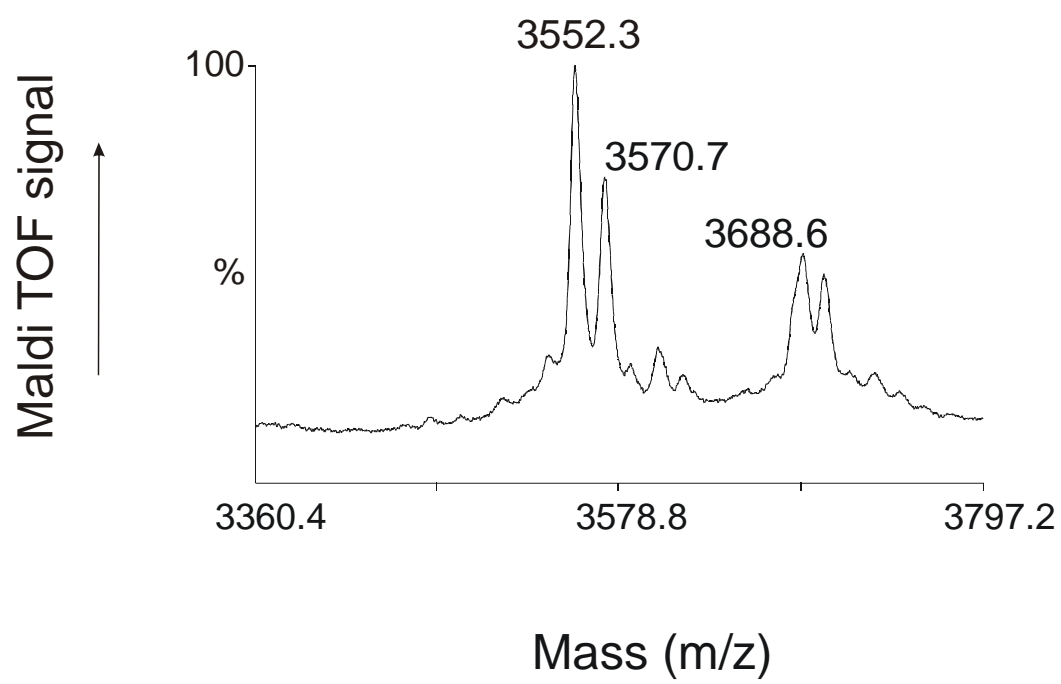
Leon D. Kluskens, Anneke Kuipers, Rick Rink, Esther de Boef, Susan Fekken,  
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**Supporting information**

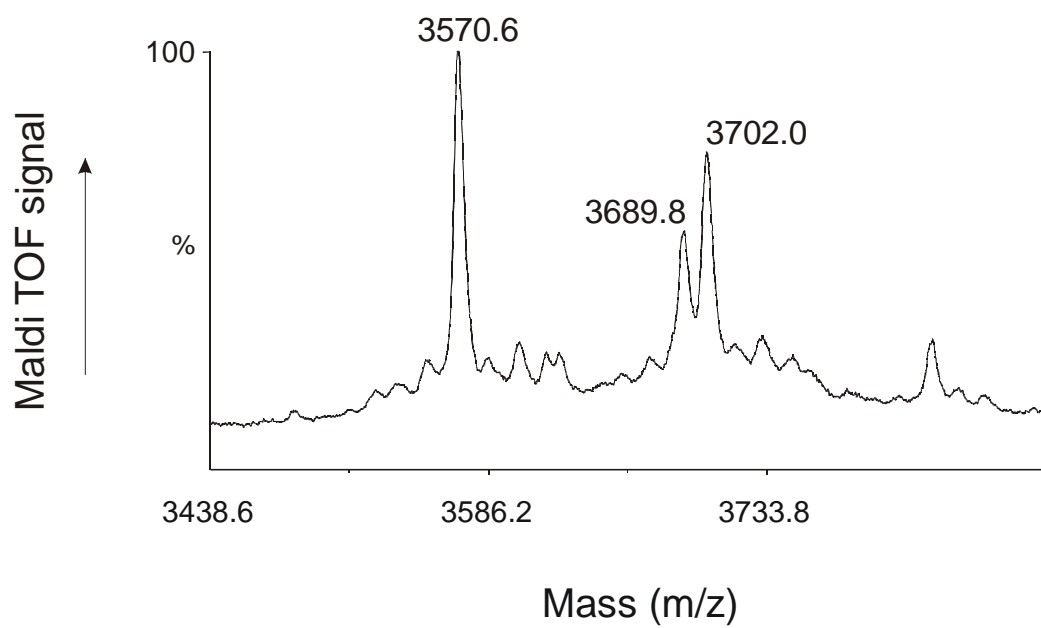
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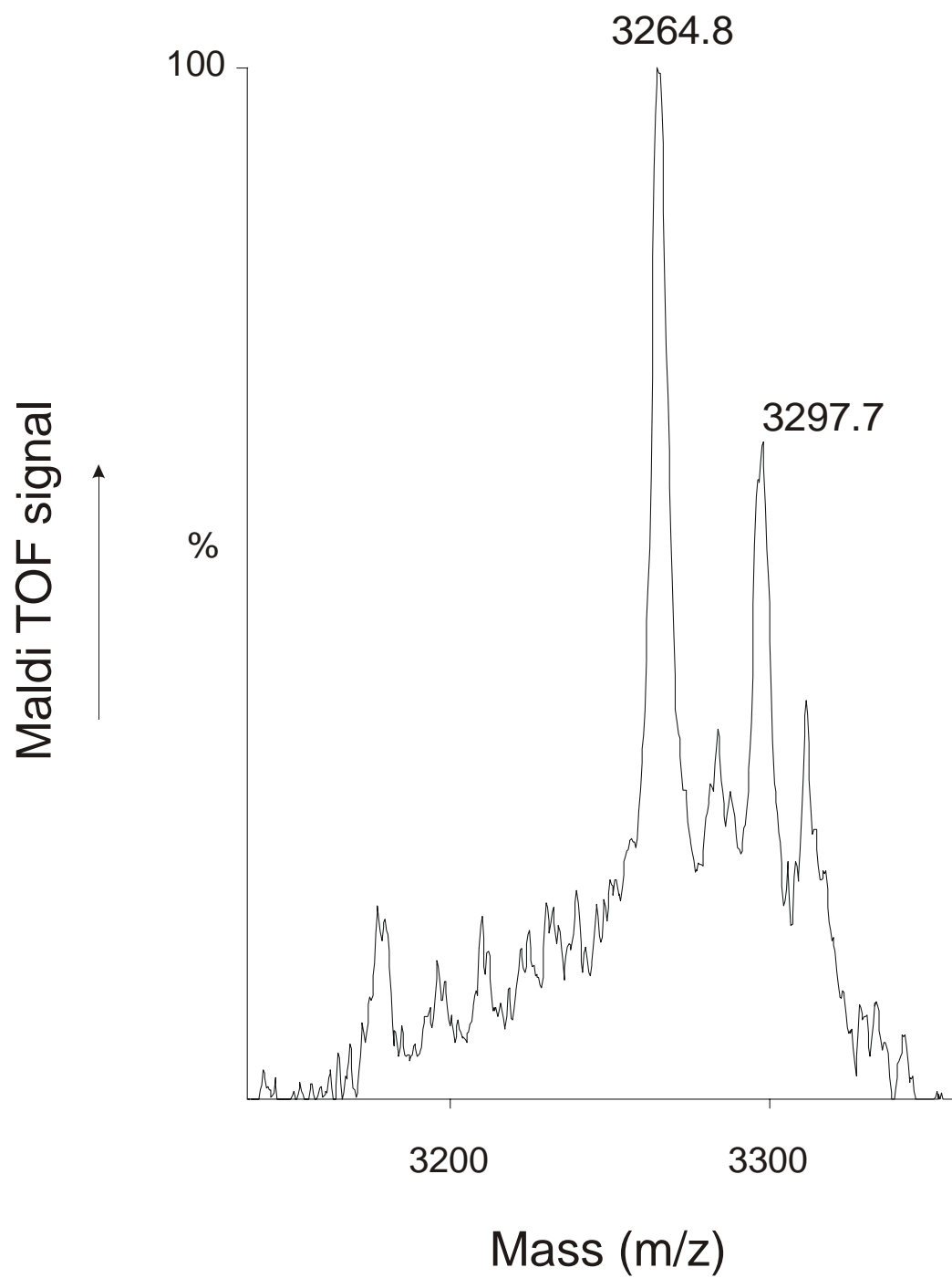
**Figure S2**



**Figure S3**



**Figure S4**



**Figure S5**

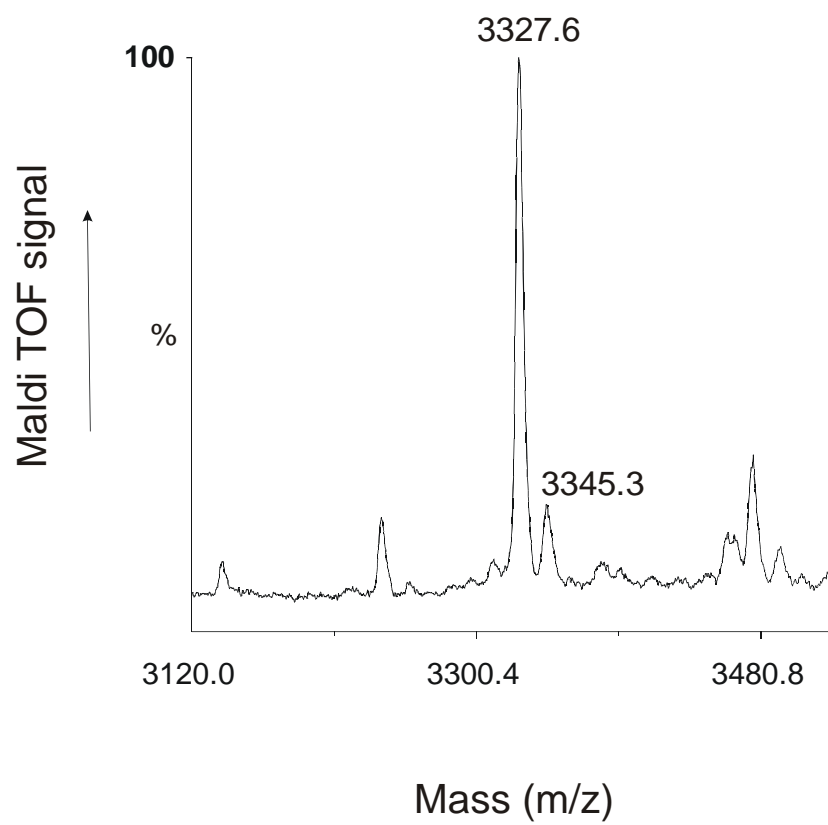
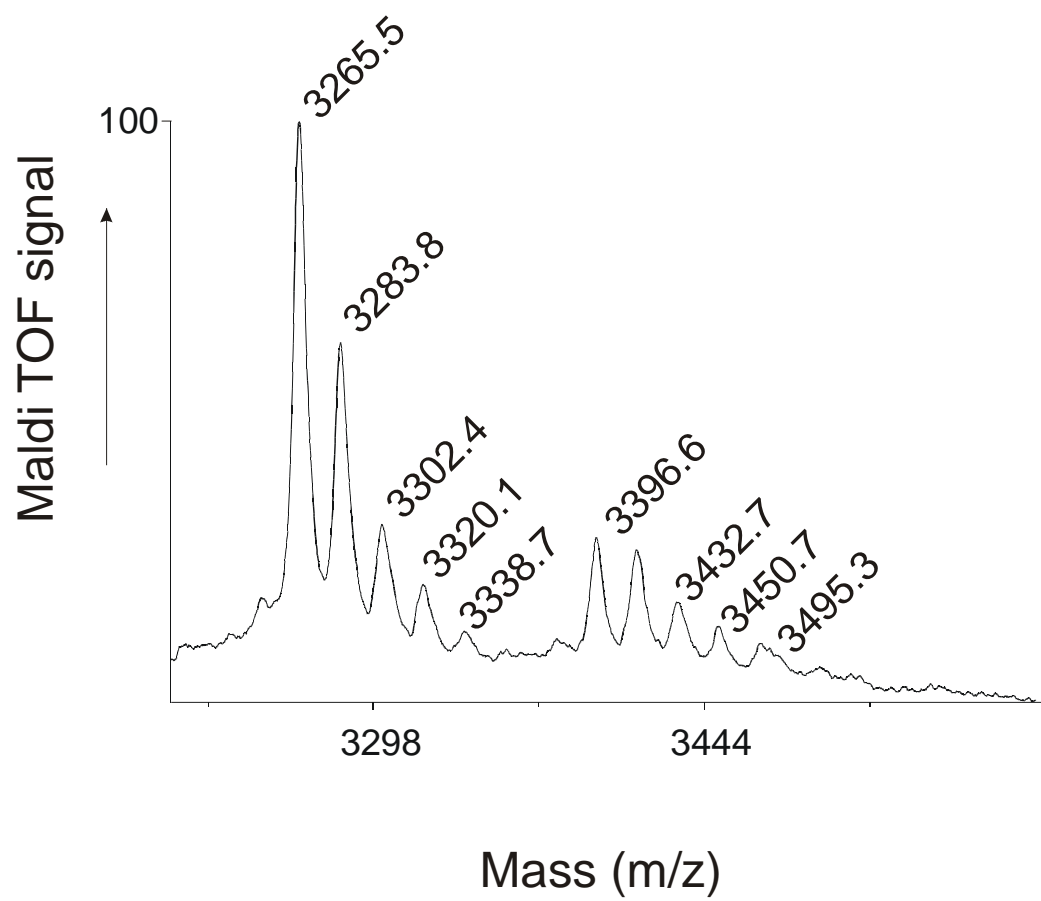
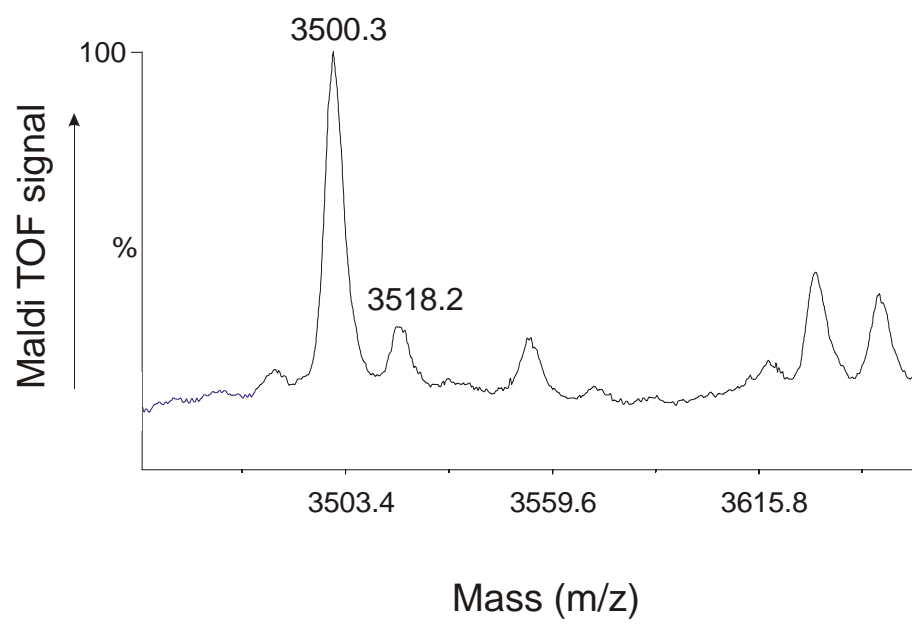


Figure S6



**Figure S7**





**Figure S8**

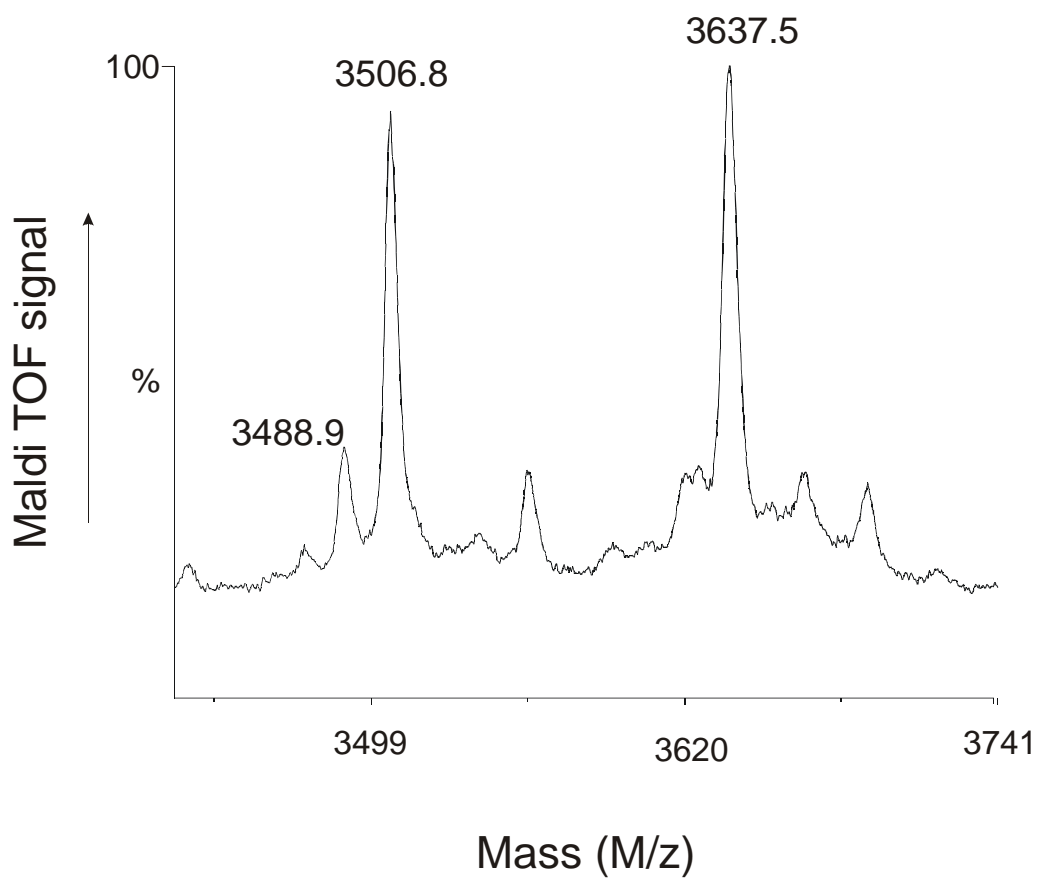
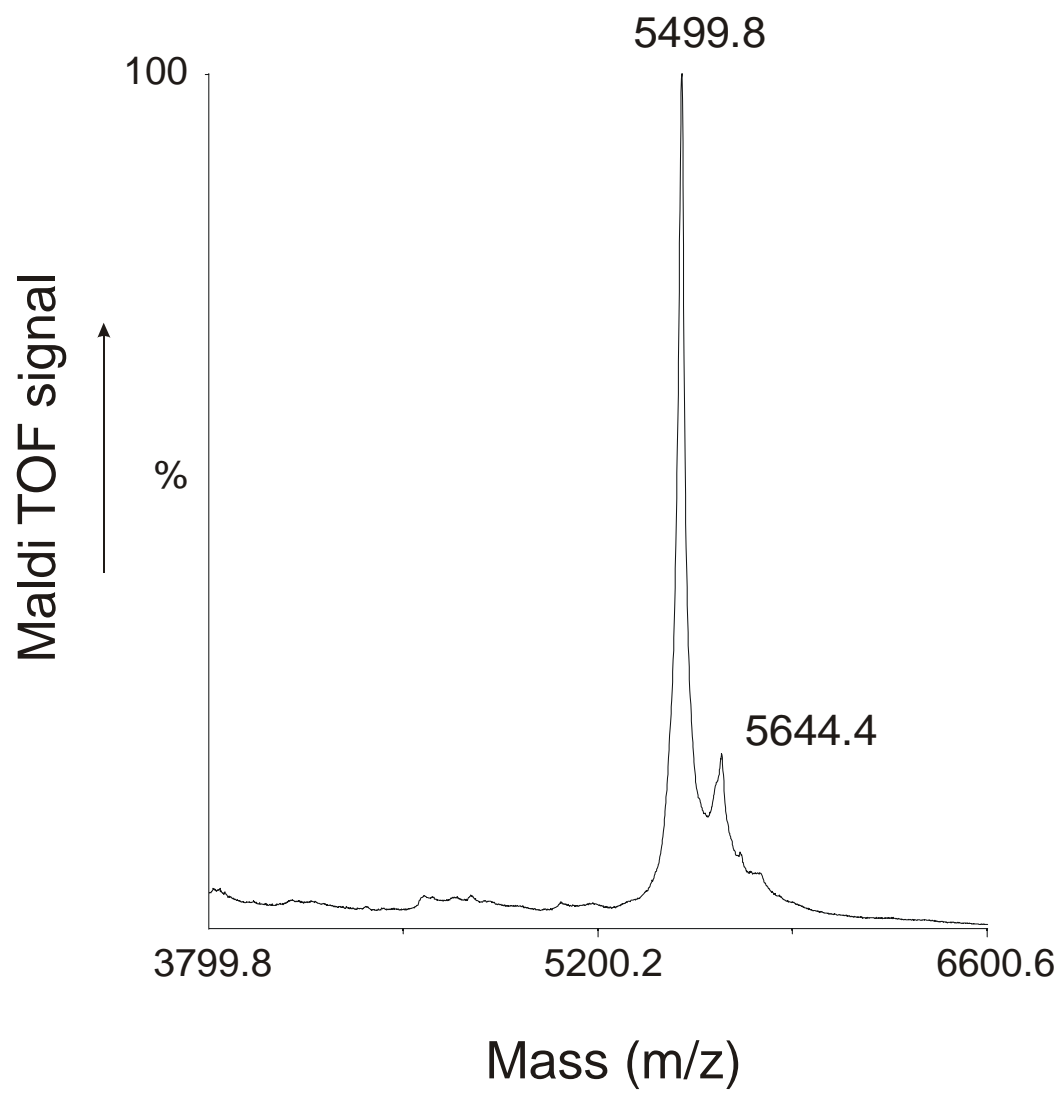


Figure S9



**Figure S10**

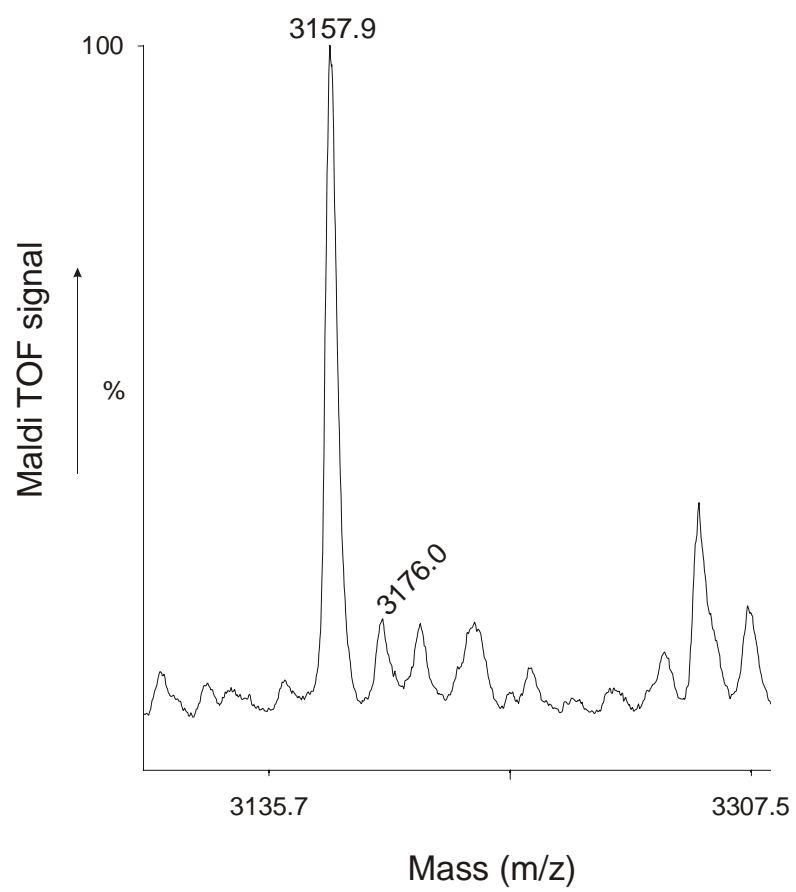
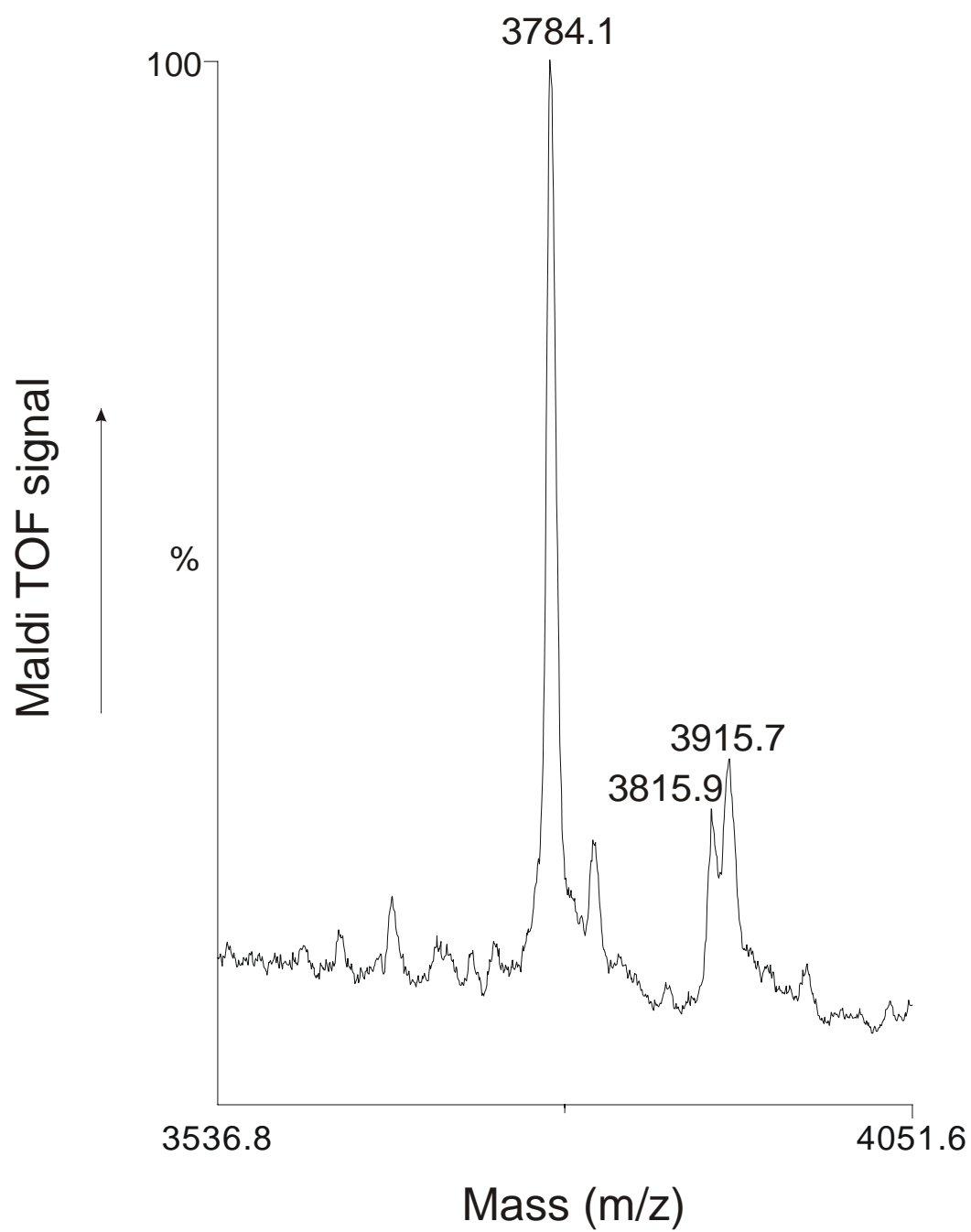
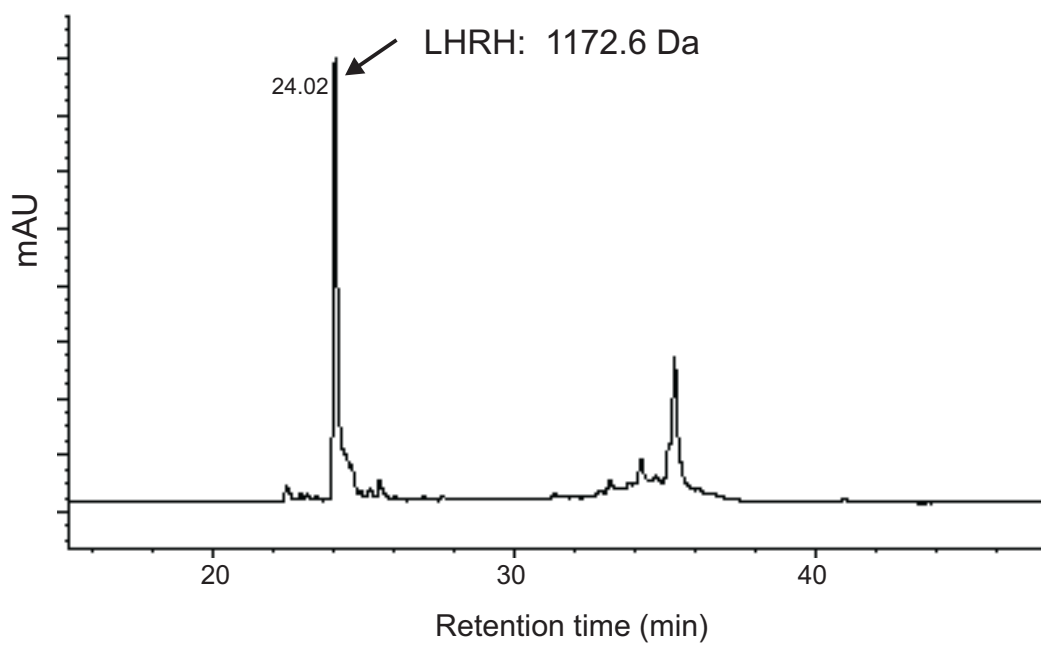


Figure S11



**Figure S12**



## Legend

### Figure S1-11.

Maldi-TOF mass spectrometry of NisB-dehydrated therapeutic peptides that are attached to the nisin leader peptide without the starting methionine. Figure S1: ACTH(1-10): leader-SYSMECFRWG; Figure S2: S1G-ACTH(1-10): leader-GYSMECFRWG; Figure S3: S3G-ACTH(1-10): leader-SYGMECFRWG; Figure S4: VP1: leader-ATFQCAPRG, Figure S5: VP2: leader-AYTQNCPRG; Figure S6: TPPII: leader-ITSISRASVA, Figure S7: enkA: leader-IAAIRYTGFC, Figure S8: enkB, leader-IAAIRYSGFC; Figure S9: LHRH: leader-ITSISLCTPGCKTGALMGCNKQHWSYGCRPG. Figure S10: Ang(1-7): leader-DRVTHC; Figure S11: EPO(1-13): leader-YASHFGPLGWVCK.

### Figure S12.

Reversed-phase HPLC UV absorbance chromatogram of trypsin-digested leader-LHRH, measured at 280 nm. The dominant LHRH peak (QHWSYGCRPG) was collected and confirmed by Maldi-TOF mass spectrometry.